What is claimed is:

1. An injection molding machine comprising:

a side-injection sub-assembly having a tool injection part and a hot passage distributor system;

a head plate for attachment to said tool injection part and holding said hot passage distributor system therebetween;

at least two bolt members connecting said tool injection part to said head plate and being accessible from a side of said tool injection part; and

a tool ejection part for releasably mating with said tool injection part and defining a mold cavity.

2. The injection molding machine of claim 1 wherein said tool injection part and said tool ejection part are coupled to each other by a fastening device, said fastening device being coupled to both said tool injection part and said tool ejection part when said tool injection part and said tool ejection part are placed in a closed position.

3. The side-injection sub-assembly of claim 2 wherein said fastening device is a bar member having at least two holes formed therein for receiving and passing therethrough at least two screw fasteners, said at least two screw fasteners for insertion into at least two respective openings that are formed in both said tool ejection part and said tool injection part.

4. The side-injection sub-assembly of claim 1 further comprising:

a fastening device having a bar construction with at least two holes formed therein for receiving and passing therethrough at least two screw fasteners, said at least two screw fasteners for insertion into at least two respective openings that are formed in one of said tool ejection part and said tool injection part for storage thereon.

5. The injection molding machine of claim 1 wherein said hot passage distributor system includes a hot passage distributor block, at least two nozzles, and a mold-on sleeve.

6. The injection molding machine of claim 1 wherein said head plate is connected to said distributor block by a plurality of screw fasteners that are accessible from a side of said head plate.

7. An injection molding machine comprising:

a side-injection sub-assembly having a tool injection part and a hot passage distributor system;

a head plate for attachment to said tool injection part and holding said hot passage distributor system therebetween;

at least two bolt members connecting said tool injection part to said head plate and being accessible from a side of said tool injection part; a tool ejection part for releasably mating with said tool injection part and defining a mold cavity; and

a hook member releasably attached to said hot passage distributor system for attachment to a lifting device and transporting said hot passage distributor system.

8. The injection molding machine of claim 7 wherein said tool injection part and said tool ejection part are coupled to each other by a fastening device, said fastening device being coupled to both said tool injection part and said tool ejection part when said tool injection part and said tool ejection part are placed in a closed position.

9. The side-injection sub-assembly of claim 8 wherein said fastening device is a bar member having at least two holes formed therein for receiving and passing therethrough at least two screw fasteners, said at least two screw fasteners for insertion into at least two respective openings that are formed in both said tool ejection part and said tool injection part.

10. The side-injection sub-assembly of claim 7 further comprising:

a fastening device having a bar construction with at least two holes formed therein for receiving and passing therethrough at least two screw fasteners, said at least two screw fasteners for insertion into at least two respective openings that are formed in one of said tool ejection part and said tool injection part for storage thereon.

11. The injection molding machine of claim 7 wherein said hot passage distributor system includes a hot passage distributor block, at least two nozzles, and a mold-on sleeve.

12. The injection molding machine of claim 7 wherein said head plate is connected to said distributor block by a plurality of screw fasteners that are accessible from a side of said head plate.

13. A method of clearing a hot passage distributor system from a side-injection sub-assembly of an injection molding machine as recited claim 1 for maintenance purposes, comprising:

opening the injection molding machine;

releasing said at least two pins clamping said tool injection part to said head plate;

closing the injection molding machine and mounting a fastening device between said tool ejection part and said tool injection part; and

pulling said tool ejection part and said tool injection part off said hot passage distributor system by moving the tool injection molding machine into the open position.

14. The method of claim 13 wherein opening the injection molding machine comprises moving said tool ejection part away from said tool injection part.

15. The method of claim 13 wherein releasing said at least two pins comprises accessing a side of said tool injection part.

16. The method of claim 13 further comprising:

attaching a hook member to said hot passage distributor system;

detaching said head plate from a fixed platform of the injection molding machine; and transporting said head plate and said hot passage distributor system to a work bench.

17. The method of claim 16 further comprising:

detaching said head plate from said hot passage distributor system.

18. The method of claim 17 wherein detaching said head plate comprises detaching said head plate from a hot passage distributor block of said hot passage distributor system.

19. The method of claim 16 wherein attaching said hook member comprises an eye hook member.

20. The method of claim 16 wherein detaching said head plate comprises releasing at least one clamp affixing said head plate to said fixed platform of the injection molding machine.